

6/17/04

IFW



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(B&W No. 003979-00002)

**Applicant:** Weaver, et al.  
**Serial No.:** 10/800,587  
**Filing Date:** March 15, 2004  
**Examiner:** Unassigned  
**Group:** 3763  
**Conf. No.:** 1652  
**Title:** MICROSCISSION PROCESS AND PROCEDURE

\*\*\*\*\*

**CERTIFICATE OF EXPRESS MAIL**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Express Mail Receipt No. EV436814039US  
Date of Deposit: June 16, 2004

I hereby state that the following:

- ☒ Information Disclosure Statement
- ☒ PTO-1449 Form
- ☒ Copies of Art as Cited on Page 1-2 of PTO-1449 Form
- ☒ Return Postcard

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above and is addressed to Mail Stop Provisional Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Brigid Laffey

June 16, 2004  
Dated

Brigid Laffey  
Signature of person mailing above-identified papers



Docket No. 003979/00002

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**APPLICANT:** Weaver, et al. **EXAMINER:** Unassigned  
**SERIAL NO.:** 10/800,587 **GROUP:** 3763  
**FILED:** 15 March 2004 **CONF. NO.:** 1652  
**FOR:** Microscission Process and Procedure

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT**

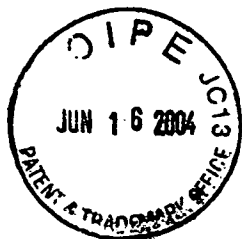
In accordance with the provisions of 37 C.F.R. §1.56 and §1.97, Applicant herewith submits the publications and/or patents shown on the attached Form PTO-1449, for consideration by the Examiner in connection with the examination of the above-identified patent application.

**REMARKS**

In accordance with the provisions of 37 C.F.R. §1.97, this statement is being filed within three (3) months of the Filing Date or before the mailing date of the First Office Action on the merits

It is respectfully requested that each of the documents shown on the attached form PTO-1449 be made of record in this application. Copies of these documents are in the file of related application Serial No. 09/878,155, filed 07 June 2001 and are thus not being resubmitted herein.

Information Disclosure Statement  
U.S.S.N. 10/800,587  
Page 2 of 2



Early examination and allowance of the present application are respectfully solicited.

#### **FEE AUTHORIZATION**

Any fee associated with this submission should be charged to our Deposit Account - No. 19-0733.

#### **CERTIFICATE OF EXPRESS MAIL FILING**

The undersigned hereby certifies that this correspondence is being deposited by Express Mail, Express Mail Receipt No. EV 436814039 in an envelope addressed to:  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 16, 2004.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Ernest V. Linek". The signature is written in a cursive style and is positioned above a horizontal line.

Ernest V. Linek (Reg. No. 29,822)  
Attorney for Applicant  
BANNER & WITCOFF, LTD.  
28 State Street, 28th Floor  
Boston, MA 02109-1775  
Tel: (617) 720-9600  
Fax: (617) 720-9601  
E-mail: ELinek@bannerwitcoff.com

Date: 16 June 2004

Substitute for form 1449A/PTO

**Complete if Known**

*(use as many sheets as necessary)*

Sheet	1	of	8
-------	---	----	---

Application Number	10/800,587
Filing Date	March 15, 2004
First Named Inventor	James C. Weaver
Art Unit	3763
Examiner Name	Not Yet Assigned
Attorney Docket Number	003979-00002

[illegible][illegible]

/Bhishma Mehta/

Date Considered

06/16/2008

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

Approved for use through 04/30/2003. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

*(use as many sheets as necessary)*

Sheet	2	of	8
-------	---	----	---

**Complete if Known**

Application Number	10/800,587
Filing Date	March 15, 2004
First Named Inventor	James C. Weaver
Group Art Unit	3763
Examiner Name	Not Yet Assigned
Attorney Docket Number	003979-00002

#### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

[illegible]

Examiner Signature	/Bhisma Mehta/	Date Considered	06/16/2008
--------------------	----------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

4

of

8

## Complete If Known

Application Number	10/800,587
Filing Date	March 15, 2004
First Named Inventor	James C. Weaver
Art Unit	3763
Examiner Name	Not Yet Assigned
Attorney Docket Number	003979-00002

## U.S. PATENT DOCUMENTS

EXAM- INER INI- TIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE IF APPROPRIATE
/BM/	AA	5,019,034	05/28/1991	Weaver, et al.	604	20	
/BM/	AB	5,389,069	02/14/1995	Weaver	604	21	
/BM/	AC	6,085,115	07/04/2000	Weaver, et al.	600	509	
/BM/	AD	5,003,987	04/02/1991	Grinwald	128	734	
/BM/	AE	5,688,233	11/18/1997	Hofmann, et al.	604	20	
/BM/	AF	5,885,211	03/23/1999	Eppstein, et al.	600	309	
/BM/	AG	6,142,939	11/07/2000	Eppstein, et al.	600	309	
/BM/	AH	6,022,316	02/08/2000	Eppstein, et al.	600	309	
/BM/	AI	5,547,467	08/20/1996	Pliquett, et al.	604	20	
/BM/	AJ	5,667,491	09/16/1997	Pliquett, et al.	604	50	
/BM/	AK	5,749,847	05/12/1998	Zewert, et al.	604	49	
/BM/	AA2	5,911,223	06/15/1999	Weaver, et al.	128	898	
/BM/	AB2	5,983,131	11/09/1999	Weaver, et al.	604	20	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
/BM/	AL	WO 97/07734	03/06/1997	PCT			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Langer, R., "Drug Delivery and Targeting," Nature, 392:S5-S10 (1998).					
/BM/	AS	Elias, P.M., et al. "Percutaneous Transport in Relation to Stratum Corneum Structure and Lipid Composition," J. Invest. Dermatol., 76(4): 297-301 (1981).					
/BM/	AT	Elias, P.M., and Menon, G.K., "Structural and Lipid Biochemical Correlates of the Epidermal Permeability Barrier," Adv. Lipid Res., 24: 1-26 (1991).					
/BM/	AU	Zewert, T.E., et al., "Creation of Transdermal Pathways for Macromolecule Transport by Skin Electroporation and a Low Toxicity, Pathway-Enlarging Molecule," Bioelectrochem. and Bioenerget., 49:11-20 (1999).					
/BM/	AV	Ilic, L., et al., "Electrochemical Creation of Microconduits in Full-Thickness Human Skin for Transdermal Drug Delivery by Pressure-Driven Flow," Proc. Internat. Symp. on Controlled Release of Bioact. Materials, Controlled Release Society, 26:178-179 (1999).					

EXAMINER

/Bhisma Mehta/

DATE CONSIDERED

06/16/2008

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

5

of

8

## Complete if Known

Application Number	10/800,587
Filing Date	March 15, 2004
First Named Inventor	James C. Weaver
Art Unit	3763
Examiner Name	Not Yet Assigned
Attorney Docket Number	003979-00002

## U.S. PATENT DOCUMENTS

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/BM/	AW	Ilic, L., et al., "Spatially Constrained Skin Electroporation with Sodium Thiosulfate and Urea Creates Transdermal Microconduits," <i>J. Control. Release</i> , 61:185-202 (1999).
/BM/	AX	Yamashita, N., et al., "Scanning Electron Microscopic Evaluation of the Skin Surface after Ultrasound Exposure," <i>The Anatomical Record</i> , 247: 455-461 (1997).
/BM/	AY	Tachibana, K., and Tachibana, S., "Transdermal Delivery of Insulin by Ultrasonic Vibration," <i>J. Pharm. Pharmacol.</i> , 43(4):270-271 (1991).
/BM/	AZ	Mitragotri, S., et al., "Ultrasound-Mediated Transdermal Protein Delivery," <i>Science</i> , 269:850-853 (1995).
/BM/	AR2	Mitragotri, S., et al., "Determination of Threshold Energy Dose for Ultrasound-Induced Transdermal Drug Transport," <i>J. Controlled Release</i> , 63:41-52 (2000).
/BM/	AS2	Jacques, S.L., et al., "Controlled Removal of Human Stratum Corneum by a Pulsed Laser," <i>J. Invest. Dermatol.</i> , 88(1):88-93 (1987).
/BM/	AT2	Nelson, J.S., et al., "Mid-Infrared Laser Ablation of Stratum Corneum Enhances in Vitro Percutaneous Transport of Drugs," <i>J. Invest. Dermatol.</i> , 97(5):874-879 (1991).
/BM/	AU2	Eisenbraun, M.D., et al., "Examination of Parameters Affecting the Elicitation of Humoral Immune Responses by Particle Bombardment-Mediated Genetic Immunization," <i>DNA and Cell Biology</i> , 12(9):791-797 (1993).
/BM/	AV2	Macklin, M.D., et al., "Immunization of Pigs with a Particle-Mediated DNA Vaccine to Influenza A Virus Protects Against Challenge with Homologous Virus," <i>J. of Virology</i> , 72(2):1491-1496 (1998).
/BM/	AW2	Smith, A., et al., "Fluorescein Kinetics in Interstitial Fluid Harvested from Diabetic Skin During Fluorescein Angiography: Implications for Glucose Monitoring," <i>Diabetes Tech. &amp; Therapeut.</i> , 1(1): 21-27 (1999).
/BM/	AX2	Cullander, C., "What Are the Pathways of Iontophoretic Current Flow Through Mammalian Skin?" <i>Adv. Drug Delivery Rev.</i> , 9(2/3):119-135 (1992).
/BM/	AY2	Inada, H., et al., "Studies on the Effects of Applied Voltage and Duration on Human Epidermal Membrane Alteration/recovery and the Resultant Effects upon Iontophoresis," <i>Pharm. Res.</i> , 11(5):687-697 (1994).
/BM/	AZ2	Green, P.G., "Iontophoretic Delivery of Peptide Drugs," <i>J. Controlled Release</i> , 41:33-48 (1996).

EXAMINER

/Bhisma Mehta/

06/16/2008



Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

6

of

8

## Complete if Known

Application Number	10/800,587
Filing Date	March 15, 2004
First Named Inventor	James C. Weaver
Art Unit	3763
Examiner Name	Not Yet Assigned
Attorney Docket Number	003979-00002

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/BM/	AR3	Merino, V., et al., "Transdermal Therapy and Diagnosis by Iontophoresis," <i>TIBTech.</i> , 15:288-290 (1997).
/BM/	AS3	Dinh, S.M., et al., "Upper and Lower Limits of Human Skin Electrical Resistance in Iontophoresis," <i>AICHE J.</i> , 39(12):2011-2018 (1993).
/BM/	AT3	Monteiro-Riviere, N.A., et al., "Identification of the Pathway of Iontophoretic Drug Delivery: Light and Ultrastructure Studies Using Mercuric Chloride in Pigs," <i>Pharm. Res.</i> , 11(2):251-256 (1994).
/BM/	AU3	Langkjaer, L., et al., "Iontophoresis of Monomeric Insulin Analogues In Vitro: Effects of Insulin Charge and Skin Pretreatment," <i>J. Control. Release</i> , 51:47-56 (1998).
/BM/	AV3	Chizmadzhev, Y., et al., "Electrical Properties of Skin at Moderate Voltages: Contribution of Appendageal Macropores," <i>Biophys. J.</i> , 74: 843-856 (1998).
/BM/	AW3	Prausnitz, M.R., et al., "Electroporation of Mammalian Skin: A Mechanism to Enhance Transdermal Drug Delivery," <i>Proc. Nat. Acad. Sci. USA</i> , 90:10504-10508 (1993).
/BM/	AX3	Prausnitz, M.R., et al., "Methods for in Vivo Tissue Electroporation Using Surface Electrodes," <i>Drug Delivery</i> , 1(2):125-131, (1993).
/BM/	AY3	Gallo, S.A, et al., "Characterization of Electric-Pulse-Induced Permeabilization of Porcine Skin Using Surface Electrodes," <i>Biophysical Journal</i> , 72: 2805-2811 (1997).
/BM/	AZ3	Vanbever, R., et al., "In vivo Noninvasive Evaluation of Hairless Rat Skin after High-Voltage Pulse Exposure," <i>Skin Pharmacol. Appl. Skin Physiol.</i> , 11:23-34 (1998).
/BM/	AR4	Vanbever, R., et al., "Transdermal Delivery of Fentanyl: Rapid Onset of Analgesia Using Skin Electroporation," <i>J. Controlled Release</i> , 50: 225-235 (1998).
/BM/	AS4	Chen, T., et al., "Skin Electroporation Causes Molecular Transport Across the Stratum Corneum Through Localized Transport Regions," <i>J. Invest. Dermatol. Symposium Proceedings</i> , 3:159-165 (1998).
/BM/	AT4	Chen, T., et al., "Skin Electroporation: Rapid Measurements of the Transdermal Voltage and Flux of Four Fluorescent Molecules Show a Transition to Large Fluxes near 50 V," <i>J. of Pharm. Sci.</i> , 87(11):1368-1374 (1998).
/BM/	AU4	VanBever, R., et al., "Comparison of the Effects of Short, High-voltage and Long, Medium-Voltage Pulses on Skin Electrical and Transport Properties," <i>J. Controlled Release</i> , 69:35-47, (1999).
/BM/	AV4	Zewert, T.E., et al., "Transdermal Transport of DNA Antisense Oligonucleotides by Electroporation. <i>Biochem. Biophys. Res. Comm.</i> , 212(2): 286-292 (1995).

EXAMINER

/Bhisma Mehta/

DATE CONSIDERED

06/16/2008

Substitute for form 1449A/PTO

## Complete if Known

Application Number	10/800,587
Filing Date	March 15, 2004
First Named Inventor	James C. Weaver
Art Unit	3763
Examiner Name	Not Yet Assigned
Attorney Docket Number	003979-00002

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 7 of 8

## U.S. PATENT DOCUMENTS

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

/BM/	AW4	Prausnitz, M.R., et al., "Transdermal Delivery of Heparin by Skin Electroporation," <i>Biotechnology</i> , 13: 1205-1209 (1995).
/BM/	AX4	Heise, H.M., "Non-Invasive Monitoring of Metabolites Using Near Infrared Spectroscopy: State of the Art," <i>Horm. Metab. Res.</i> , 28:527-534 (1996).
/BM/	AY4	Fischer, U., et al., "Assessment of Subcutaneous Glucose Concentration: Validation of the Wick Technique as a Reference for Implanted Electrochemical Sensors in Normal and Diabetic Dogs," <i>Diabetologia</i> , 30(12):940-945 (1987).
/BM/	AZ4	Quan, K.M., et al., "Glucose Determination By a Pulsed Photoacoustic Technique: An Experimental Study Using A Gelatin-Based Tissue Phantom," <i>Phys. Med. Biol.</i> , 38(12):1911-1922, (1993).
/BM/	AR5	Tamada, J.A., et al., "Measurement of Glucose in Diabetic Subjects Using Noninvasive Transdermal Extraction," <i>Nature Medicine</i> , 1(11):1198-1202 (1995).
/BM/	AS5	Ito, N., et al., "Transcutaneous Blood Glucose Monitoring System Based on ISFET Glucose Sensor and Studies on Diabetic Patients," <i>Frontiers Med. Biol. Engng.</i> , 6(4):269-280 (1995).
/BM/	AT5	Berger, A.J., "Feasibility of Measuring Blood Glucose Concentration by Near-infrared Raman Spectroscopy," <i>Spectrochim. Acta</i> , 53(Part A):287-292 (1997).
/BM/	AU5	Schiffman, et al., "Airway Humidification in Mechanically Ventilated Neonates and Infants: A Comparative Study of a Heat and Moisture Exchanger vs. a Heated Humidifier Using a New Fast-response Capacitive Humidity Sensor," <i>Crit. Care Med.</i> 25(10):1755-1760 (1997).
/BM/	AV5	Ohhashi, et al., "Human Perspiration Measurement," <i>Physiol. Meas.</i> 19(4): 449-461 (1998).
/BM/	AW5	Pliquett, U.F., et al. "Imaging of Fluorescent Molecules and Small Ion Transport Through Human Stratum Corneum During High-Voltage Pulsing: Localized Transport Regions Are Involved," <i>J. Biophys. Chem.</i> , 58:185-204, (1996).
/BM/	AX5	Prausnitz, M.R., et al., "Imaging Regions of Transport Across Human Stratum Corneum During High Voltage and Low Voltage Exposures," <i>J. Pharm. Sci.</i> , 85(12):1363-1370, (1996).
/BM/	AY5	Weaver, J.C., et al. "Theory of Electrical Creation of Aqueous Pathways Across Skin Transport Barriers," <i>Advanced Drug Delivery Reviews</i> , 35(1):21-39, (1999).
/BM/	AZ5	Gowrishankar, T.R., et. al., "Spatially Constrained Localized Transport Regions Due to Skin Electroporation," <i>J. controlled Release</i> , 60(1): 101-110 (1999).

EXAMINER

/Bhisma Mehta/

DATE CONSIDERED

06/16/2008

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 8 of 8

**Complete if Known**

Application Number	10/800,587
Filing Date	March 15, 2004
First Named Inventor	James C. Weaver
Art Unit	3763
Examiner Name	Not Yet Assigned
Attorney Docket Number	003979-00002

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

/BM/	AR6	Hikima, T., et al., "Effect of Ultrasound Application on Skin Metabolism of Prednisolone 21-Acetate," <i>Pharm. Res.</i> , 15(11):1680-1683 (1998).
/BM/	AS6	Wu, J., et al., "Defects Generated in Human Stratum Corneum Specimens by Ultrasound," <i>Ultrasound in Med. &amp; Biol.</i> 24(5):705-710 (1998).
/BM/	AT6	Henry, S., et al., "Microfabricated Microneedles: A Novel Approach to Transdermal Drug Delivery," <i>J. Pharm. Sci.</i> 87(8):922-925 (1998).
/BM/	AU6	Miyajima, et al., "Effect of Polymer/Basic Drug Interaction on the Two-Stage Diffusion-Controlled Release from a Poly(L-lactic Acid) Matrix," <i>J. Controlled Rel.</i> 61(3):295-304 (1999).
/BM/	AV6	Simon, L.D., et al., "Mechanisms Controlling Diffusion and Release of Model Proteins Through and From Partially Esterified Hyaluronic Acid Membranes," <i>J. Controlled Rel.</i> 61(3):267-279 (1999).
/BM/	AW6	Prestwich, G.D., et al., "Controlled Chemical Modification of Hyaluronic Acid: Synthesis, Applications, and Biodegradation of Hydrazide Derivatives," <i>J. Control. Release</i> 53:93-103 (1998).
/BM/	AX6	Koo, T-W., et al., "Reagentless Blood Analysis by Near-Infrared Raman Spectroscopy," <i>Diabetes Tech. Therapeut.</i> , 1(2):153-157 (1999).
/BM/	AY6	Berger, A.J., et al., "Multicomponent Blood Analysis by Near-Infrared Raman Spectroscopy," <i>Appl. Optics</i> 38(13):2916-2926 (1999).
/BM/	AZ6	Longridge, D.J., et al., Effects of Payload Per Unit Area on Dermal Powderject® Delivery of Testosterone to Conscious Rabbits," <i>Proceed. Int'l. Symp. Control. Rel. Bioact. Mater.</i> , 25:595-596 (1998).
/BM/	AR7	Uchida, M., et al., "Transdermal Microparticle Delivery by a Supersonic Helios™ Gun System," <i>Proceed. Int'l. Symp. Control. Rel. Bioact. Mater.</i> , 25:575-576 (1998).
/BM/	AS7	Sage, B.H., Jr., "Iontophoresis" CRC Press, Inc., Chapter 15.1 Percutaneous Penetration Enhancers 351-368 (1995).
/BM/	AT7	Weaver, J.C., and Langer, R., "Electrochemical Creation of Large Aqueous Pathways: an Approach to Transdermal Drug Delivery," <i>Progress in Dermatology</i> , 33:1-10 (1999). November 26, 2001
/BM/	AU7	McAllister, D.V., et al., "Microfabricated Microneedles: A Novel Approach to Transdermal Drug Delivery," <i>Proceed. Int'l. Symp. Control. Rel. Bioact. Mater.</i> , 25:30-31 (1998).
/BM/	AV7	Scott, E.R., et al., "Direct Imaging of Ionic Pathways in Stratum Corneum Using Scanning Electrochemical Microscopy," <i>Solid State Ionics</i> , 53-56(Part 1):176-183 (1992).
/BM/	AW7	Weaver, J.C. and Langer, R. "Electrochemical Creation of Large Aqueous Pathways: an Approach to Transdermal Drug Delivery," <i>Progress in Dermatology</i> , 33: 1-10 (1999) November 26, 2001
2001 EXAMINER /Bhisma Mehta/		DATE CONSIDERED 06/16/2008